

## ABSTRACT

### METHOD OF OPTIMIZING SCHEDULING IN A COMMUNICATIONS SYSTEM OF CDMA TYPE

Method of optimizing scheduling in a communications network of CDMA type comprising at least the following steps :

- detect the base stations received at a measurement point by means of multisensor synchronization, and for each of them estimate the propagation channel,  $h(0, s)$ , ...,  $h(L-1, s)$ , estimate the received powers  $P_i$ ,
- determine the base station or stations of highest levels which define a group of active stations  $\{G_{sa}\}$ ,
- on the basis of the results obtained in the preceding steps, estimate for each base station of the group of active stations  $\{G_{sa}\}$ , the reception filter  $g(0, s, a)$  implemented by a mobile situated at the measurement point for the reception of the station considered,
- estimate, for each slot  $s$  and each antenna configuration  $a$  of the mobile, the ratio  $E_s/I_0$ , on the basis of the estimates of the propagation channel, and deduce therefrom the interference factor  $IF$  associated with the mobile placed at the measurement point.

Figure 3